



FUTURE PACKS



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FP - 50 Single Knife Paper Straw Making Machine



Working Principle and short instruction :

Winding/spiraling different layers paper strip into paper tube, Drying by heating Area, Single knife cutting system, by servo tracking, cut paper tube into small piece of paper drinking straws.

Material : Food grade white craft paper and No glue heating device; Sub-raw material: may need oil for lubrication and cooling. White mineral oil.

Standard electric power : 380V/ 3phase/ 50Hz, could change by special requirement, like 60Hz or 220V/ 3 phase.

Electric consumption : Rated power, 10.6KW/h

FLA (Full load amp) : 13.5A

Capacity : How many pieces straw per minute. For example: 150m/min, making 6*197mm straws Consider some waste, we use 200mm for calculating.

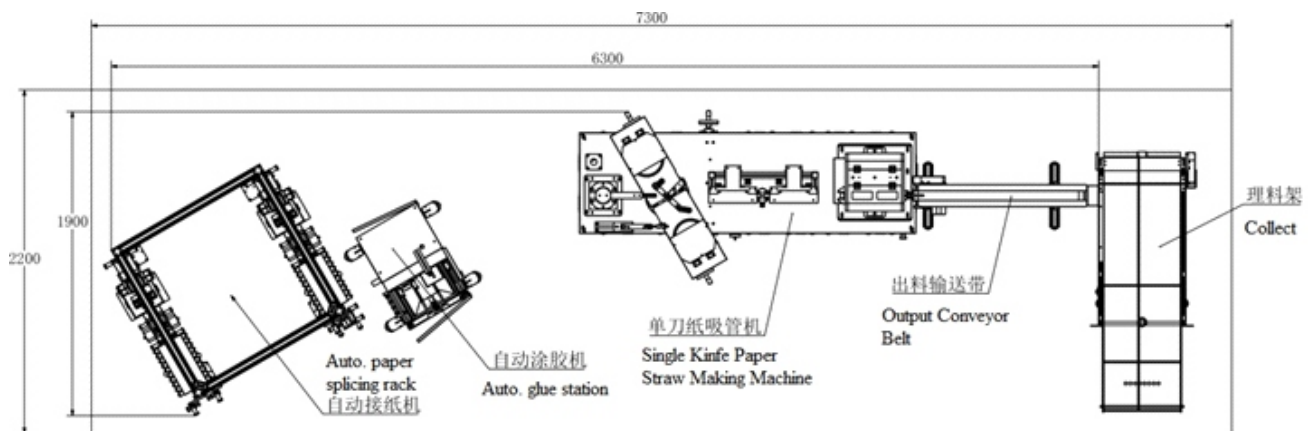
$150 \times 1000 / 200 = 750 \text{ pcs/minute.}$

Advantage of FP-50 :

1. Higher Speed-max 130m/min input, 90m/min out put.
2. Single knife cutting system, new flying knife structure. Programmable length, Adjustable free.
3. Sets servo motor for spiraling roller
4. Auto paper roll connecting function function (automatic paper splicing rack) can meet the requirements of 4 layers paper splicing.
5. Main electric parts choose famous brand, Schneider. Like main servo motor, servo motor driver, frequency converter, touch screen.

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Overall Size



Different Unit Dimension

Unit Name	Dimension (mm)	Unit Name	Dimension (mm)
Single Knife Paper Straw Making Machine	2150 x 800x 1650	Conveyor	1200 x 400 x 1050
Paper Roller Bracket	1120 x 1300 x 2050	Straw Collector	1650 x 520 x 1080

Paper Roll Hanging Bracket with Auto Connecting Function



1. Help paper straw making machine no stop working.
2. Use auto detection: When the paper roll is going to use out, the mechanism will cut the tail ends of old paper roll and connect new paper roll automatically.
3. Smaller dimension, easy delivery and moving to adjust paper feeding angle.
4. Construction simpleness. If paper break, no need to stop to route the paper up and down complicated.
5. Constant unwinding force for the paper rolls, to let paper feeding more smoothly.
6. Our own patent for this connecting mechanism, not copy from others, especially European brands, so no patent problem.
7. Optional choose: 4 layers connecting mechanism.

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Specification and Parameter

Model	FP - 50 Single Knife Paper Straw Making Machine		
Technical Parameter		Control System	
Layer of Paper	3 - 4 Layers	PLC Controller	Schneider
Max. Outer Diameter	9mm	Human Machine Interface	Schneider
Min. Outer Diameter	3.3mm	Program Version	GD-XJ 5.0
Max. Thickness	0.5mm	Servo System	Schneider
Min. Thickness	0.2mm	Performer	Schneider
Min. Length	120mm	Max. Length	500mm
Output Speed	3-100mm/min	Signal Component	Omron
Winding System	2 Servo/1pc belt	Pneumatic Component	Airtac
Cutting Way	1Knife Pneumatic/1Ser.	Synchronous Control	Synchronous Belt
Glue Method	Glue Extraction Circulate		
Length Control	Encoder	Assemble	Assemble
Operator	1 Person	Tube Rack	Have
Mandrel Fixing	Screw Clamp	Belt Angle Adjustment	Wheel Adjustment
Speed Control	Servo	Belt Tension Adjustment	Wheel Adjustment
Power Input	3P/380V/50Hz	Paper break Stop function	Have
Machine Dimension	2150 x 800 x 1650	Lubrication	Electric Roller
Floor Area	7000 x 3000 x 1700	Paper Tension Control	Continuous Tension Control
Wheel Diameter	195mm	Paper Holder	Automatic Paper Connecting Holder
Wheel Height	100mm	Belt	Piece Baseband
Max. Spin Speed	200r/min	Total Weight	1150KGS

PERFECT AFTER SALES & SERVICE

Our company provide an excellent technician team for after sale service. which serve for each client. For new clients we will arrange professional technician to install and adjust the machine, as well as train the operators to run, adjust and maintain, until you can make perfect products. Clients can also send operator to learn the machinery handling in our factory.

For existing clients, our technicians will visit regularly to know the state of machine, to approach inference problems. Clients can call us at any time on the work days, we must give a satisfactory reply.



YOUTUBE



FUTURE PACKS & FUTURE ENTERPRISES

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